ELSEVIER

Comput. Methods Appl. Mech. Engrg. 136 (1996) 389–390

Computer methods in applied mechanics and engineering

Author Index of Volume 136

Brogan, F.A. see Riks, E. 59– 92

Buscaglia, G. see Idelsohn, S. 27– 46

Cho, J.R. see Oden, J.T. 317–345

Destuynder, P. and Salaün, M. A mixed finite element for shell model with free edge boundary conditions. Part 3. Numerical aspects 273–292

Freitas, J.A.T. see Pereira, E.M.B.R. 111–126

Govindjee, S. and Mihalic, P.A. Computational methods for inverse finite elastostatics 47– 57

Idelsohn, S., Nigro, N., Storti, M. and Buscaglia, G. A Petrov–Galerkin formulation for advection–reaction–diffusion problems 27– 46

Koh, E. see Metaxas, D. 1– 25

Kuhl, D. and Ramm, E. Constraint Energy Momentum Algorithm and its application to non-linear dynamics of shells 293–315

Lagaros, N.D. see Papadrakakis, M. 145–163

Legat, V. see Warichet, V. 93–110

Li, W.Y. see Wang, Q. 259–271

Mahnken, R. and Stein, E. A unified approach for parameter identification of inelastic material models in the frame of the finite element method 225–258

Meek, J.L. and Xue, Q. A study on the instability problem for 2D-frames 347–361

Metaxas, D. and Koh, E. Flexible multibody dynamics and adaptive finite element techniques for model synthesis and estimation 1– 25

Mihalic, P.A. see Govindjee, S. 47– 57

Miller, G.R. see Rucki, M.D. 363–384

Nigro, N. see Idelsohn, S. 27– 46

Oden, J.T. and Cho, J.R. Adaptive *hpq*-finite element methods of hierarchical models for plate- and shell-like structures 317–345

Papadopoulos, V. see Papadrakakis, M. 145–163

Papadrakakis, M., Papadopoulos, V. and Lagaros, N.D. Structural reliability analysis of elastic-plastic structures using neural networks and Monte Carlo simulation 145–163

Pereira, E.M.B.R. and Freitas, J.A.T. A hybrid-mixed finite element model based on Legendre polynomials for Reissner–Mindlin plates 111–126

Ramm, E. see Kuhl, D. 293–315
Rankin, C.C. see Riks, E. 59– 92
Riks, E., Rankin, C.C. and Brogan, F.A. On the solution of mode jumping phenomena in thin-walled shell structures 59– 92
Ristinmaa, M. see Strömberg, L. 127–144
Ristinmaa, M. and Vecchi, M. Use of couple-stress theory in elasto-plasticity 205–224
Rucki, M.D. and Miller, G.R. An algorithmic framework for flexible finite element-based structural modeling 363–384

Salaün, M. see Destuynder, P. 273–292
Stein, E. see Mahnken, R. 225–258
Storti, M. see Idelsohn, S. 27– 46
Strömberg, L. and Ristinmaa, M. FE-formulation of a non-local plasticity theory 127–144

Vecchi, M. see Ristinmaa, M. 205–224

Wang, Q. and Li, W.Y. Spline finite member element method for buckling of thin-walled members with any cross sections in pure bending 259–271
Warichet, V. and Legat, V. Adaptive *hp*-finite element viscoelastic flow calculations 93–110

Xue, Q. see Meek, J.L. 347–361

Zacharia, T. see Zhu, Y. 165–203
Zhu, Y. and Zacharia, T. A new one-point quadrature, quadrilateral shell element with drilling degrees of freedom 165–203

ELSEVIER

Comput. Methods Appl. Mech. Engrg. 136 (1996) 391–393

Computer methods in applied mechanics and engineering

Subject Index of Volume 136

Boundary element methods
A mixed finite element for shell model with free edge boundary conditions. Part 3. Numerical aspects, P. Destuynder and M. Salaün 273–292

Design of programs
An algorithmic framework for flexible finite element-based structural modeling, M.D. Rucki and G.R. Miller 363–384

Dynamics
Flexible multibody dynamics and adaptive finite element techniques for model synthesis and estimation, D. Metaxas and E. Koh 1– 25
A study on the instability problem for 2D-frames, J.L. Meek and Q. Xue 347–361

Elasticity
Computational methods for inverse finite elastostatics, S. Govindjee and P.A. Mihalic 47– 57
A hybrid-mixed finite element model based on Legendre polynomials for Reissner–Mindlin plates, E.M.B.R. Pereira and J.A.T. Freitas 111–126

Finite element and matrix methods
Flexible multibody dynamics and adaptive finite element techniques for model synthesis and estimation, D. Metaxas and E. Koh 1– 25
A Petrov–Galerkin formulation for advection–reaction–diffusion problems, S. Idelsohn, N. Nigro, M. Storti and G. Buscaglia 27– 46
Computational methods for inverse finite elastostatics, S. Govindjee and P.A. Mihalic 47– 57
Adaptive *hp*-finite element viscoelastic flow calculations, V. Warichet and V. Legat 93–110
A hybrid-mixed finite element model based on Legendre polynomials for Reissner–Mindlin plates, E.M.B.R. Pereira and J.A.T. Freitas 111–126
FE-formulation of a non-local plasticity theory, L. Strömberg and M. Ristinmaa 127–144
A new one-point quadrature, quadrilateral shell element with drilling degrees of freedom, Y. Zhu and T. Zacharia 165–203
Use of couple-stress theory in elasto-plasticity, M. Ristinmaa 205–224
A unified approach for parameter identification of inelastic material models in the frame of the finite element method, R. Mahnken and E. Stein 225–258
Constraint Energy Momentum Algorithm and its application to non-linear dynamics of shells, D. Kuhl and E. Ramm 293–315
Adaptive *hpq*-finite element methods of hierarchical models for plate- and shell-like structures, J.T. Oden and J.R. Cho 317–345
An algorithmic framework for flexible finite element-based structural modeling, M.D. Rucki and G.R. Miller 363–384

Fluid mechanics
A Petrov–Galerkin formulation for advection–reaction–diffusion problems, S. Idelsohn, N. Nigro, M. Storti and G. Buscaglia 27– 46

Matrix calculus
Constraint Energy Momentum Algorithm and its application to non-linear dynamics of shells, D. Kuhl and E. Ramm 293–315

Neural networks
Structural reliability analysis of elastic-plastic structures using neural networks and Monte Carlo simulation, M. Papadrakakis, V. Papadopoulos and N.D. Lagaros 145–163

Nonlinear dynamics of systems
On the solution of mode jumping phenomena in thin-walled shell structures, E. Riks, C.C. Rankin and F.A. Brogan 59– 92

Nonlinear mechanics
Computational methods for inverse finite elastostatics, S. Govindjee and P.A. Mihalic 47– 57
On the solution of mode jumping phenomena in thin-walled shell structures, E. Riks, C.C. Rankin and F.A. Brogan 59– 92
FE-formulation of a non-local plasticity theory, L. Strömberg and M. Ristinmaa 127–144
Structural reliability analysis of elastic-plastic structures using neural networks and Monte Carlo simulation, M. Papadrakakis, V. Papadopoulos and N.D. Lagaros 145–163
A unified approach for parameter identification of inelastic material models in the frame of the finite element method, R. Mahnken and E. Stein 225–258
Constraint Energy Momentum Algorithm and its application to non-linear dynamics of shells, D. Kuhl and E. Ramm 293–315
A study on the instability problem for 2D-frames, J.L. Meek and Q. Xue 347–361

Numerical solution procedures
A Petrov–Galerkin formulation for advection–reaction–diffusion problems, S. Idelsohn, N. Nigro, M. Storti and G. Buscaglia 27– 46
Computational methods for inverse finite elastostatics, S. Govindjee and P.A. Mihalic 47– 57
On the solution of mode jumping phenomena in thin-walled shell structures, E. Riks, C.C. Rankin and F.A. Brogan 59– 92
FE-formulation of a non-local plasticity theory, L. Strömberg and M. Ristinmaa 127–144
Structural reliability analysis of elastic-plastic structures using neural networks and Monte Carlo simulation, M. Papadrakakis, V. Papadopoulos and N.D. Lagaros 145–163
Constraint Energy Momentum Algorithm and its application to non-linear dynamics of shells, D. Kuhl and E. Ramm 293–315

Plasticity
FE-formulation of a non-local plasticity theory, L. Strömberg and M. Ristinmaa 127–144
Structural reliability analysis of elastic-plastic structures using neural networks and Monte Carlo simulation, M. Papadrakakis, V. Papadopoulos and N.D. Lagaros 145–163
Use of couple-stress theory in elasto-plasticity, M. Ristinmaa 205–224
A unified approach for parameter identification of inelastic material models in the frame of the finite element method, R. Mahnken and E. Stein 225–258

Shells and plates
A hybrid-mixed finite element model based on Legendre polynomials for Reissner–Mindlin plates, E.M.B.R. Pereira and J.A.T. Freitas 111–126
A new one-point quadrature, quadrilateral shell element with drilling degrees of freedom, Y. Zhu and T. Zacharia 165–203
A mixed finite element for shell model with free edge boundary conditions. Part 3. Numerical aspects, P. Destuynder and M. Salaün 273–292
Constraint Energy Momentum Algorithm and its application to non-linear dynamics of shells, D. Kuhl and E. Ramm 293–315
Adaptive *hpq*-finite element methods of hierarchical models for plate- and shell-like structures, J.T. Oden and J.R. Cho 317–345

Solutions of ordinary and partial differential equations
A Petrov–Galerkin formulation for advection–reaction–diffusion problems, S. Idelsohn, N. Nigro, M. Storti and G. Buscaglia 27– 46

Stability in structural mechanics
On the solution of mode jumping phenomena in thin-walled shell structures, E. Riks, C.C. Rankin and F.A. Brogan 59– 92
Spline finite member element method for buckling of thin-walled members with any cross sections in pure bending, Q. Wang and W.Y. Li 259–271
A study on the instability problem for 2D-frames, J.L. Meek and Q. Xue 347–361

Structural mechanics
A unified approach for parameter identification of inelastic material models in the frame of the finite element method, R. Mahnken and E. Stein 225–258
A study on the instability problem for 2D-frames, J.L. Meek and Q. Xue 347–361

Turbulence
Flexible multibody dynamics and adaptive finite element techniques for model synthesis and estimation, D. Metaxas and E. Koh 1– 25

Viscoelastic and viscoplastic media
Adaptive *hp*-finite element viscoelastic flow calculations, V. Warichet and V. Legat 93–110
A unified approach for parameter identification of inelastic material models in the frame of the finite element method, R. Mahnken and E. Stein 225–258

Viscous flow
Adaptive *hp*-finite element viscoelastic flow calculations, V. Warichet and V. Legat 93–110